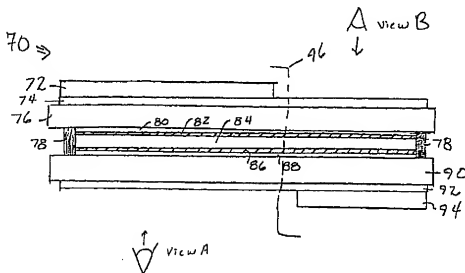




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : G09F 9/35, H04M 1/02, G02F 1/1335	A1	(11) International Publication Number: WO 00/36578 (43) International Publication Date: 22 June 2000 (22.06.00)
(21) International Application Number: PCT/US99/29918 (22) International Filing Date: 15 December 1999 (15.12.99) (30) Priority Data: 09/212,195 15 December 1998 (15.12.98) US (71) Applicant: QUALCOMM INCORPORATED [US/US]; 5775 Morehouse Drive, San Diego, CA 92121-1714 (US). (72) Inventors: MALONEY, John, E.; 10364 Barrywood Way, San Diego, CA 92131 (US). SWAZEY, Scott, T.; 2473 Geranium Way, San Diego, CA 92109 (US). (74) Agents: MILLER, Russell, B. et al.; Qualcomm Incorporated, 5775 Morehouse Drive, San Diego, CA 92121-1714 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: DUAL VIEW LCD ASSEMBLY



(57) Abstract

A liquid crystal display (70) creates two viewing areas (view A and view B) which are visible from opposite sides of the display. The liquid crystal display comprises a first light layer (72), which reflects or emits light to create a display for a first view. The first layer (72) is adjacent to a first surface of a series of intervening liquid crystal display layers (74, 76, 80, 82, 84, 86, 88, 90, 92) which perform additional functions to create the display for the first view and for a second view. The first light layer only partially covers the series of intervening liquid crystal display layers. The liquid crystal display also comprises a second light layer (94) adjacent to a second surface of the series of intervening liquid crystal display layers. The second light layer (94) is positioned so as to create a display for the second view which is not blocked by the first light layer (72). The second light layer (94) only partially covers the second surface of the series of intervening liquid crystal display layers so as not to block the display created for the first view.